Ontario

Ministry of Northern Development and Mines

Mines and Minerals Division

ONTARIO GEOLOGICAL SURVEY

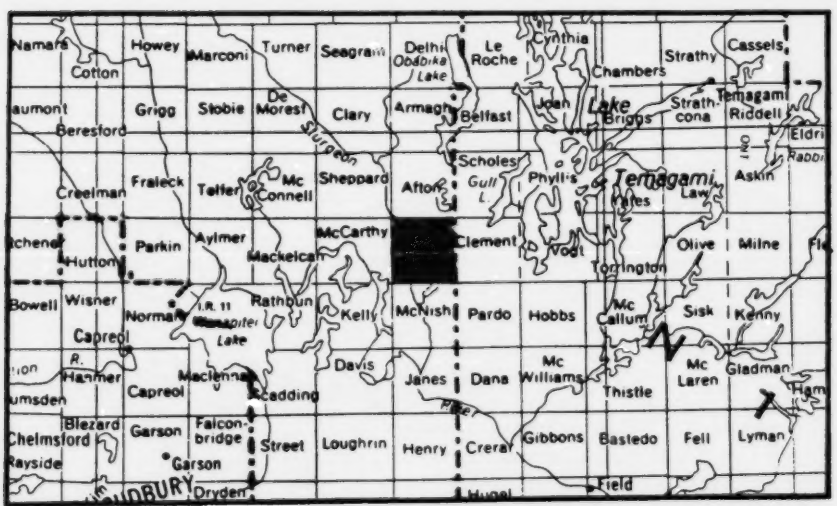
GEOLOGICAL DATA INVENTORY FOLIO

GDIF 415

MACBETH TOWNSHIP

DISTRICT OF SUDBURY

Compiled by the Staff of
the Resident Geologist's Office
Sudbury



LOCATION MAP

Scale: 1:1 013 760 or 1 inch to 16 miles

NTS Number 41 I/16

Mining Claim Map Number G-2908

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Geological Survey does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey
1987: Macbeth Township, District of Sudbury, Ontario Geological Survey, Geological Data Inventory Folio 415, compiled by the staff of the Resident Geologist's Office, Sudbury, 16 pages and 2 maps.

Original Compilation by: Jerome, Lucille, May, 1987

Date	Page Revised	Revised by

Date	Page Revised	Revised by

MACBETH TOWNSHIP

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ACCOMPANYING MAPS

Property Location Map 1 map

Exploration Data Map 1 map

Map Scale 1: 31 680 or 1 inch to ½ mile

CONVERSION FACTORS FOR MEASUREMENTS IN ONTARIO GEOLOGICAL SURVEY PUBLICATIONS

If the reader wishes to convert imperial units to SI (metric) units or SI units to imperial units the following multipliers should be used:

CONVERSION FROM SI TO IMPERIAL			CONVERSION FROM IMPERIAL TO SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
			LENGTH		
1 mm	0.039 37	inches	1 inch	25.4	mm
1 cm	0.393 70	inches	1 inch	2.54	cm
1 m	3.280 84	feet	1 foot	0.304 8	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	1.609 344	km
			AREA		
1 cm^2	0.155 0	square inches	1 square inch	6.451 6	cm^2
1 m^2	10.763 9	square feet	1 square foot	0.092 903 04	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
			VOLUME		
1 cm^3	0.061 02	cubic inches	1 cubic inch	16.387 064	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
			CAPACITY		
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	4.546 090	L
			MASS		
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 906 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
			CONCENTRATION		
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy)/ton (short)	20.0	pennyweights/ton (short)
1 pennyweight/ton (short)	0.05	ounce (troy)/ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm).

NOTE–Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries published by The Mining Association of Canada in co-operation with the Coal Association of Canada.

DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no'; if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	Yes	L.J.
2	Assessment Files Research Office, Toronto	N.A.	L.J.
3	ODM General Index; 9 Volumes	Yes	L.J.
4	Catalogue of Airborne Geophysical Surveys (ODM)	Yes	L.J.
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	Yes	L.J.
6	ODM Industrial Mineral Reports	No	L.J.
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)	No	L.J.
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	Yes	L.J.
9	Newspaper Clippings File	Yes	L.J.
10	GSC Index to Publications	Yes	L.J.
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	Yes	L.J.
12	OGS Index Maps	Yes	L.J.
13	Source Mineral Deposit Records (O.G.S.)	Yes	L.J.
14	Author - Subject Articles File	Yes	L.J.
15	Miscellaneous Papers: ODM & OGS	Yes	L.J.
16	ODM Geological Circulars: OGS Study Series	No	L.J.
17	ODM Preliminary Reports: ODM Bulletins	No	L.J.
18	ODM – OGS Open File Reports	Yes	L.J.
19	OGS Northern Ontario Engineering Geology Terrain Studies	Yes	L.J.
20	OGS Aggregate Resources Inventory Papers	No	L.J.
21	OGS Mineral Potential Maps	Yes	L.J.
22	Theses on File, Sudbury	Yes	L.J.
23	Aerial Photographs on File, Sudbury	Yes	L.J.

METALS AND MINERALS REFERENCES LIST

△ anh. . . . . .Anhydrite
△ ank. . . . . .Ankerite
△ anna . . . . . Annabergite
△ ap. . . . . .Apatite
△ arg . . . . . Argentite
△ As . . . . . .Arsenic
△ asp . . . . . .Arsenopyrite
△ asb . . . . . .Asbestos
△ ba. . . . . .Barite
△ be. . . . . .Beryl
△ Bi. . . . . .Bismuth
△ bn . . . . . .Bornite
△ bran . . . . . .Brannerite
△ bruc . . . . . .Brucite
△ Cd . . . . . Cadmium
△ calc. . . . . Calcite
△ carb . . . . . .Carbonate
△ cel . . . . . .Celestite
△ cc. . . . . .Chalcocite
△ cp. . . . . .Chalcopyrite
△ ch. . . . . .Chert
△ clay . . . . . .Clay
△ Co . . . . . Cobalt
△ cob. . . . . Cobaltite
△ cb. . . . . .Columbite
△ Cu . . . . . .Copper
△ cor . . . . . Corundum
△ dol . . . . . Dolomite
△ ep. . . . . Epidote
△ ery . . . . . Erythrite
△ fel . . . . . .Feldspar
△ fl . . . . . .Fluorite (flurospar)

△ fu. . . . . .Fuchsite
△ gn. . . . . .Galena
△ gt. . . . . .Garnet
△ goe . . . . . .Goethite
▲ Au . . . . . Gold
△ gf. . . . . .Graphite
△ gl . . . . . Gravel
△ gyp. . . . . .Gypsum
△ hem . . . . . Hematite
△ il . . . . . Ilmenite
△ Fe . . . . . .Iron
△ IF. . . . . Iron Formation
△ jas . . . . . Jasper
△ kaol . . . . . .Kaolinite (kaolin)
△ ky . . . . . Kyanite
△ Pb . . . . . Lead
△ lim . . . . . Limonite
△ Li. . . . . Lithium
△ mgst . . . . . Magnesite
△ mag . . . . . Magnetite
△ mc . . . . . Malachite
△ Mn . . . . . Manganese
△ mb . . . . . Marble
△ mar. . . . . Marcasite
△ ma . . . . . .Marl
△ mi . . . . . Mica
△ ml . . . . . Millerite
△ mo . . . . . Molybdenite
△ Mo . . . . . .Molybdenum
△ mon . . . . . Monazite
△ ne. . . . . Nephelite (nepheline)
△ nc. . . . . .Niccolite

△ Ni. . . . . Nickel
△ Nb . . . . . .Niobium
△ Pd . . . . . .Palladium
△ peat . . . . . .Peat
△ pent . . . . . .Pentlandite
△ Pt. . . . . .Platinum
▲ py . . . . . .Pyrite
△ pyl . . . . . Pyrochlore
△ pyrl . . . . . .Pyrolusite
△ po . . . . . .Pyrrhotite
△ q . . . . . .Quartz
△ qcv . . . . .Quartz carbonate vein
△ ra. . . . . .Radioactive minerals
△ RE . . . . . .Rare Earths
△ sd. . . . . Sand
△ sgl . . . . . Sand and gravel
△ ss . . . . . .Sandstone
△ scap . . . . . Scapolite
△ shee . . . . . .Scheelite
△ serp . . . . . Serpentine
△ sh. . . . . .Shale
△ sid . . . . . Siderite
△ si . . . . . .Silica
△ Ag . . . . . .Silver
△ sl . . . . . Slate
△ sm . . . . . .Smaltite
△ sod. . . . . .Sodalite
△ spec . . . . . Specularite
△ sp. . . . . .Sphalerite
△ spd. . . . . .Spodumene
△ staur . . . . . .Staurolite
△ stib. . . . . Stibnite

△ st . . . . . .Stone
△ talc. . . . . .Talc
△ Te . . . . . Tellurium
△ td. . . . . Tetrahedrite
△ th. . . . . .Thorite
△ Th . . . . . .Thorium
△ thuc . . . . . Thucholite
△ ti . . . . . Titanite
△ Ti. . . . . Titanium
△ tour . . . . . Tourmaline
△ trap . . . . . Trap rock
△ W. . . . . Tungsten
△ uran . . . . . Uraninite
△ U . . . . . .Uranium
△ verm . . . . . .Vermiculite
△ Y . . . . . Yttrium
△ Zn . . . . . .Zinc
△ zr. . . . . Zircon

▲S. . . . . .Sulphide
cv. . . . . .Covellite
▲qv. . . . . .Quartz vein

Solid triangles indicate metal and mineral occurrences shown on the accompanying maps.

MINERAL OCCURRENCES

Map Ref. Letter	Name(s)	Mineralization	Source Mineral Deposit Record	References in OGS Mineral Deposits Circulars & OGS Industrial Mineral Reports	Additional References and/or Remarks
A	Cucumber Lake Occurrence	qv, py, Au	--	MDC 18, p. 108	Map 2361 GR 170, p. 50
B	Gust, M. E., Mohns, W. A., Schultz, J. E., and Wegner, A. L.	S	--	--	GR 170, p. 65
C	Pelican Mines Ltd.	py, Au	--	--	Map P.367 Sudbury Assessment File MacBeth 0011-A1

GDIF FORM NO. 1

TYPE OF WORK		Numbers below represent the year in which the work was done; e.g., 68 for 1968.																		
EXPLORATION DATA filed at the RESIDENT GEOLOGIST'S OFFICE SUDBURY COMPANY/AUTHOR (file number)		GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETOMETER	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETOMETER	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATON	SELF POTENTIAL	RESISTIVITY			
1	Cook, C., Welsh, S.	59																		
2	Courageous Gold Mines Ltd.	58																		
3	Greene, M. and Associates Ltd., Hames, C. M.											75								
4	Gust, M. E., Mohns, W. A., Schultz, J. E. and Wegner, A. L.			?																
5	Kennco Explorations Ltd.								68	68[1]										
6	Leger Mines Ltd.	63	63[2]					64				63[2]								
7	Nichol, W. H., Little Long Lac Gold Mines Ltd.	60		59	59 60	60														
8	Noranda Mines Ltd.												56							
9	Palston Mining and Development Co. Ltd.												56							
10	Pelican Mines Ltd., Shlesinger, H.	75 76			75	76						74 75	75							

[1] No anomaly

[2] No data

GDIF FORM NO. 7

MACBETH TOWNSHIP

DRILLHOLE SUMMARY

Map Drilling Location Number	Company Name	Company Drillhole Number	Date Drilled	Bearing Azimuth Degrees	Initial Dip of Hole Degrees	Thickness of Overburden Feet	Total Length of Hole Feet	Mineralization Noted in Log	Assay Data Included for
1	Nichol, W. H.	1	1960	148	45	0	135	py, ep	Au
1		2	1960	163	55	2	26	py, ep	Au
1		3	1960	163	47	2	21	py, ep	Au
1		4	1960	138	55	0	18	py	Au
1		5	1960	138	62	0	10	ep	Au
1		1	1959	?	?	?	110	ep	
2	Pelican Mines Ltd	P-1	1975	180	45	8	357	po,py,cp,mag	Au,Ag,Cu,Ni
3		P-2	1975	180	45	34	335	mag, gf, py	Au
4		P-3	1975	180	45	25	357	mag	
5		P-4	1975	180	45	16	354	po,py,cp,mag	

GDIF FORM NO. 1

AIRBORNE GEOPHYSICAL SURVEY DATA

No.	By / For	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
5	Questor Surveys Ltd. Kennco Explorations Ltd.	Airborne Magnetic Airborne Electromagnetic	400'	Normal S	1,000-1,200'

GDIF FORM NO. 4

MACBETH TOWNSHIP

Map Sample Site Reference Number	GEOCHEMICAL SURVEY DATA		By	Reference
	Type of Survey	Analysis For		

GDIF FORM NO. 5

MISCELLANEOUS DATA

AGE DATING

Site	Method	Material	Reference	Result

GDIF FORM NO.6

NEWSPAPER CLIPPINGS FILE

NOTE: A file of newspaper clippings about the companies listed below, who have worked in this area, is maintained in the Regional/Resident Geologist's Office.

Sudbury

Palston Mining and Development Co. Ltd.

Northern Miner	March 14, 1957
	February 7, 1957
	August 2, 1956

ODM GENERAL INDEX SEARCH

Words searched:

ARCAND LAKE
COOK, C.
COURAGEOUS GOLD MINES LTD.
CUCUMBER LAKE
GREENE, M. AND ASSOCIATES LTD.
GUST, M. E.
HAMES, C. M.
KENNCO EXPLORATIONS LTD.
LEGER MINES LTD.
LITTLE LONG LAC GOLD MINES LTD.
MACBETH TOWNSHIP
MOHNS, W. A.

Index Volume	Listing:	Report Volume	Part	Page
3	Sturgeon River, Nipissing Lake			
	Character; glacial deposits	41	4	2,3,26
	Rocks; notes and photos	41	4	9,8-22
4	Courageous Gold Mines Ltd.			
	Incorporated	54	1	45
6	Palston Mining and Development Co. Ltd.			
	Incorporated	66	1	33
8	MacBeth and Afton tps., Sudbury Dist.			
	Summary of field work, 1972			
	by H. D. Meyn	MP53		126-129
9	Cucumber Lake			
	MacBeth Tp., Sudbury Dist.	GR170		8,46,58, 68
9	Cucumber Lake Fault			
	MacBeth Tp., Sudbury Dist.	GR170		38
9	Cucumber Lake Occurrence			
	MacBeth Tp., Sudbury Dist.			
	report on property	GR170		50
9	Gust, M. E.			
	MacBeth Tp., Sudbury Dist.			
	report on property	GR170		65
9	Kennco Expl. (Canada) Ltd.			
	Clement and MacBeth tps.,			
	Sudbury & Nipissing Dist.	GR170		66
9	MacBeth, Clement, Afton, and Scholes tps.,			
	Sudbury & Nipissing Dist.			
	Base metals	GR170		58-67
	Geology of the area, Report and			
	maps 2385 & 2386 on, 1977 by H. D. Meyn	GR170		
	Gold	GR170		46-55
	Iron	GR170		55-58
	Sand/gravel	GR170		67-68
9	MacBeth Tp., Sudbury Dist.			
	Gold	MDC18		108

GDIF FORM NO. 8

ODM GENERAL INDEX SEARCH

Words searched:

NEW ATHLONE MINES LTD.
NICHOL, W. H.
NORANDA MINES LTD.
PALSTON MINING AND DEVELOPMENT CO. LTD.
PELICAN MINES LTD.
SCHULTZ, J. E.
SHLESINGER, H.
STURGEON RIVER
WAWIASHKASKI LAKE
WEGNER, A. L.

Index Volume	Listing:	Report Volume	Part	Page
9	Nichol, W. H. MacBeth & Clement tps., Sudbury & Nipissing Dist.	GR170		50
9	Palston Mining & Dev. Co. MacBeth Tp., Sudbury Dist	GR170		67
9	Sturgeon River MacBeth Tp. area, Sudbury Dist.	GR170 GR191		37,45 11,32-77

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		REGIONAL GEOLOGICAL COMPILATION MAPS		
Card, K. D., Lumbers, S. B.	1974-75	Sudbury-Cobalt Sheet	O.G.S. Map 2361	1" = 4 miles
Lumbers, S. B.	1973	River Valley Area	O.D.M. Map P.844	1" = 1 mile
Meyn, H. D.	1966	Capreol Sheet	O.G.S. Map P.367	1" = 2 miles
	1973	MacBeth Township	P.834	1" = ¼ mile
		GEOPHYSICAL MAPS		
Dept. of E.M.R.	1965	Aeromagnetic Map - Lake Temagami Sheet	1502G	1" = 1 mile
G.H.D. Consultants	?	Aeromagnetic Map - Sudbury Research Project	Map 3	1" = ½ mile
Gupta, V. K., Wadge, D. R.	1980	Bouguer Gravity and Generalized Map, North Bay - Martin River Area	O.G.S. Map P.2297	1:100,000
O.D.M. - G.S.C.	1965	Aeromagnetic Map - Sudbury Sheet	7067G	1" = 4 miles
O.G.S. - G.S.C.	1976	Uranium Reconnaissance Program Airborne Gamma Ray Spectrometer Survey, Sudbury	Map P.1610	1:250,000
		SURFICIAL, PLEISTOCENE, TERRAIN ENGINEERING		
Dept. of E.M.R.	1975	Topographic Map - Lake Temagami		1:50,000
Gartner, J. F.	1980	N.O.E.G.T.S. Data Base Map - Capreol N.O.E.G.T. Study 95 Capreol	Map 5001	1:100,000

GDIF FORM NO.4

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
		MINERAL POTENTIAL MAPS		
Gordon, J. B.	1977	Gold Deposits of Ontario - East Central Sheet	P.1228	1" = 16 miles
Innes, D. G. and Jost, M.	1977	Nickel Deposits of Ontario - East Central Sheet	P.1062	1" = 16 miles
Springer, J.	1977	Ontario Mineral Potential, Northern Part of Sudbury Sheet and Part of North Bay Sheet	P.1512	1:250,000
		GEOCHEMICAL MAPS		
		None as of May 28, 1987		
		GEOLOGICAL REPORTS AND MAPS		
Adlington, R.	1982	MacBeth Township, Sudbury Data Series	O.G.S. Map P.2193	1" = ¼ mile
Collins, W. H.	1936	Sudbury Series	G.S.C. Bull. 47(2)	pp. 1675-1690
Edgar, A. D.	1986	Grant 100. Petrology, Geochemistry and Economic Potential of the Nipissing Gabbro	OFR 5573	
Fralick, P. W. and Miall, A. D.	1982	Grant 84. Sedimentology of Huronian Deposits, Including Uranium Bearing Rocks	OFR 5375	
Gordon, J. B.	1979	Gold Deposits of Ontario	MDC 18	p. 108
Meyn, H. D.	1977	Geology of Afton, Scholes, MacBeth and Clement Townships	GR 170 Map 2386	1" = ¼ mile
Murray, A.	1856	On the Geology and Topography of the Sturgeon, Maskinonge, French and Wanapitei Rivers and Whitefish River and its Lakes	G.S.C. Rept. of Progress	

GDIF FORM NO.9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages
Roscoe, S. M.	1969	Huronian Rocks and Uraniferous Conglomerates in the Canadian Shield	G.S.C. Paper 68-40	
Wilson, W. J.	1905	The Region Between Lake Temagami and Spanish River	G.S.C. Sum. Rept.	pp. 82-84
Young, G. A.	1904	On Surveys Between Rabbit and Temagami Lakes	G.S.C. AR	pp. 195-198
		JOURNALS, ARTICLES, THESES, TECHNICAL REPORTS		
Lindsey, D. A.	1969	Glacial Sedimentology of the Precambrian Gowganda Formation, Ontario	Geol. Soc. Amer. Bull. 80	pp. 1685-1702
Morris, W. A.	1981	A positive Fold Test from Nipissing Diabase	National Research Council of Canada	pp. 591-598
Mossman, D. J.	1983	Origin and Distribution of Gold in the Huronian Supergroup, Canada - The Case for Witwatersrand-Type Paleoplacers	Precambrian Research, Vol. 20, # 2-4	pp. 543-583
Mossman, D. J. and Harron, G. A.	1984	Witwatersrand-Type Paleoplacers Gold in the Huronian Supergroup of Ontario, Canada	Vol. 11, #1	
Rowell, W. F.	1984	Platinum Group Elements and Gold in the Wanapitei Nipissing-Type Intrusion, Northeastern Ontario	Sudbury Theses File	
Tagseth, E. A.	1958-59	A Study of Rocks of the Cobalt Series; B. Sc., University of Toronto	MP 2	
Young, G. M.	1981	The Early Proterozoic Gowganda Formation, Ontario,	Earth's Pre-Pleistocene Glacial Record, Cambridge University Press	pp. 807-812

GDIF FORM NO. 9

SELECTED REFERENCES

Author	Date	Title	Reference	Map Scales and/or Report Pages

GDIF FORM NO.9

NOTES AND ADDENDA

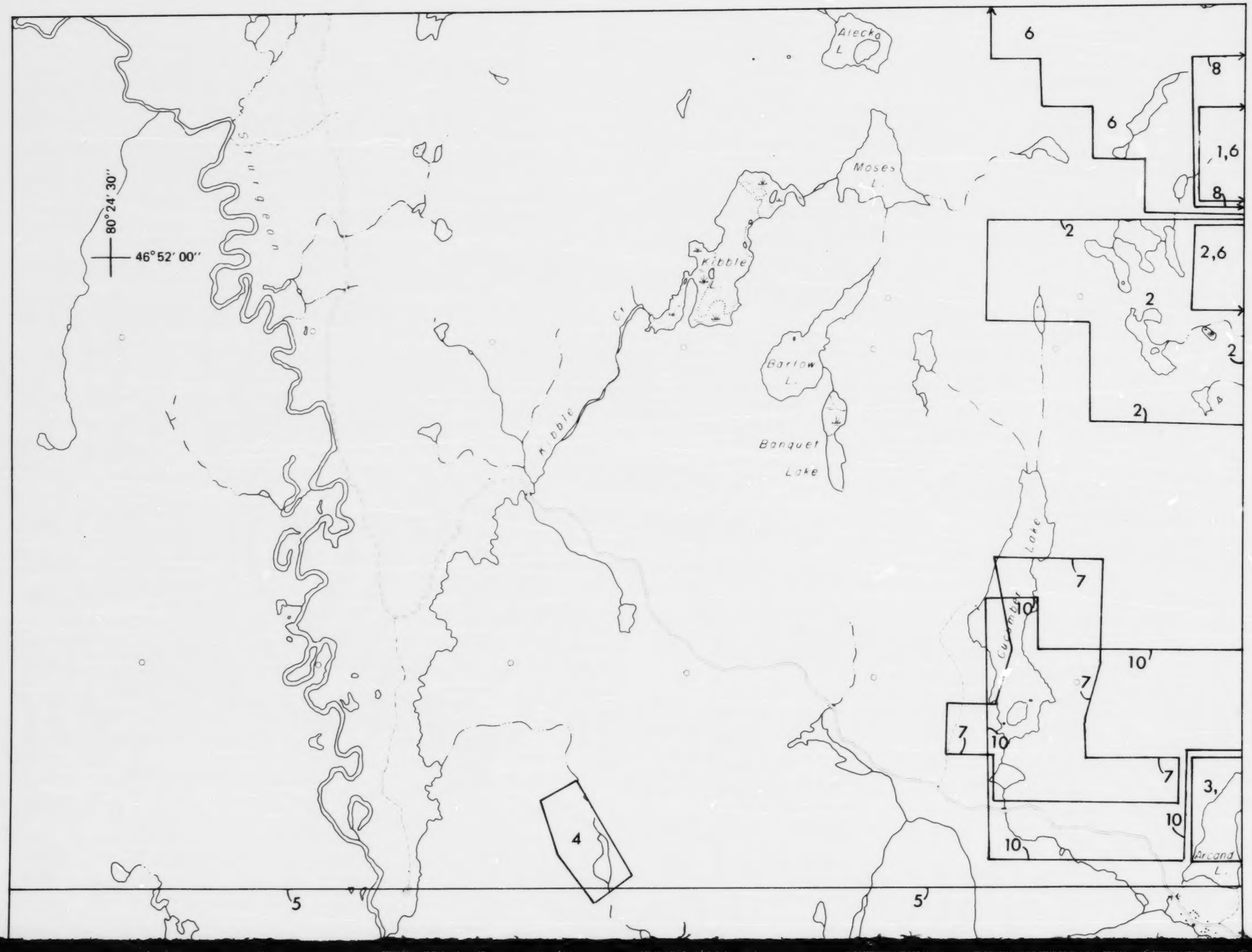
AERIAL PHOTOGRAPHS INDEX

Scale 1" = ½ mile

Sudbury Files

Year	Roll	Line	Number
1970	24	4633	257-262
1946	37	142	46

GDIF FORM NO.10



Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

PROPERTY LOCATION MAP

GEOLOGICAL DATA INVENTORY FOLIO 415

(Map 1 of 2)

MACBETH TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Miles

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Miles

Barlow L.

Kipple

Banquet Lake

Lake

Lower L.

Larson L.

Marlow L.

River

Lake

80°18' 00"

46°48' 30"

EXPLORATION DATA FILE AREAS

■ ① ⑥ Reference number is always inside work area outlined. See listing in text pages.

□ x ④ Small area exploration.

TYPES OF DATA SHOWN ON THIS MAP

GEOCHEMICAL AND GEOCHRONOLOGICAL DATA

- ☐ ◆3 — Geochemical sample site, with reference number
- ☐ ◆3) — Area of geochemical sampling, with reference number
- ☐ ✶2 — Age dating material sampling site, with reference number
- ☐ —

GEOPHYSICAL ANOMALIES

- ■ AM — Airborne magnetic anomaly
- ☐ — Airborne electromagnetic anomaly
  Length of anomaly along flight line
- ☐ — Airborne electromagnetic anomaly
  Location of anomaly along flight line
- ☐ — Airborne electromagnetic anomaly
  Conductor axis: definite, probable, possible
- ☐ ARA — Airborne radiometric anomaly
- ■ M — Ground magnetic anomaly
- ■ VL — Ground electromagnetic anomaly
  (VL - Vertical loop; HL - loop;
  VLF - Very low freq; Turam; JEM - Crone Em - 16)
- ☐ RA — Ground radiometric anomaly
- ☐ IP — Induced polarization anomaly
- ☐ SP — Self potential anomaly
- ☐ AFMAG — Audio-frequency magnetic anomaly
  (total intensity)
- ☐ R — Resistivity anomaly
- ☐ GR — Gravity anomaly

Horizontal

80° 24' 30"

46° 52' 00"

Kibble

Alecko L.

Moses L.

Kibble

Barlow L.

Banquet Lake

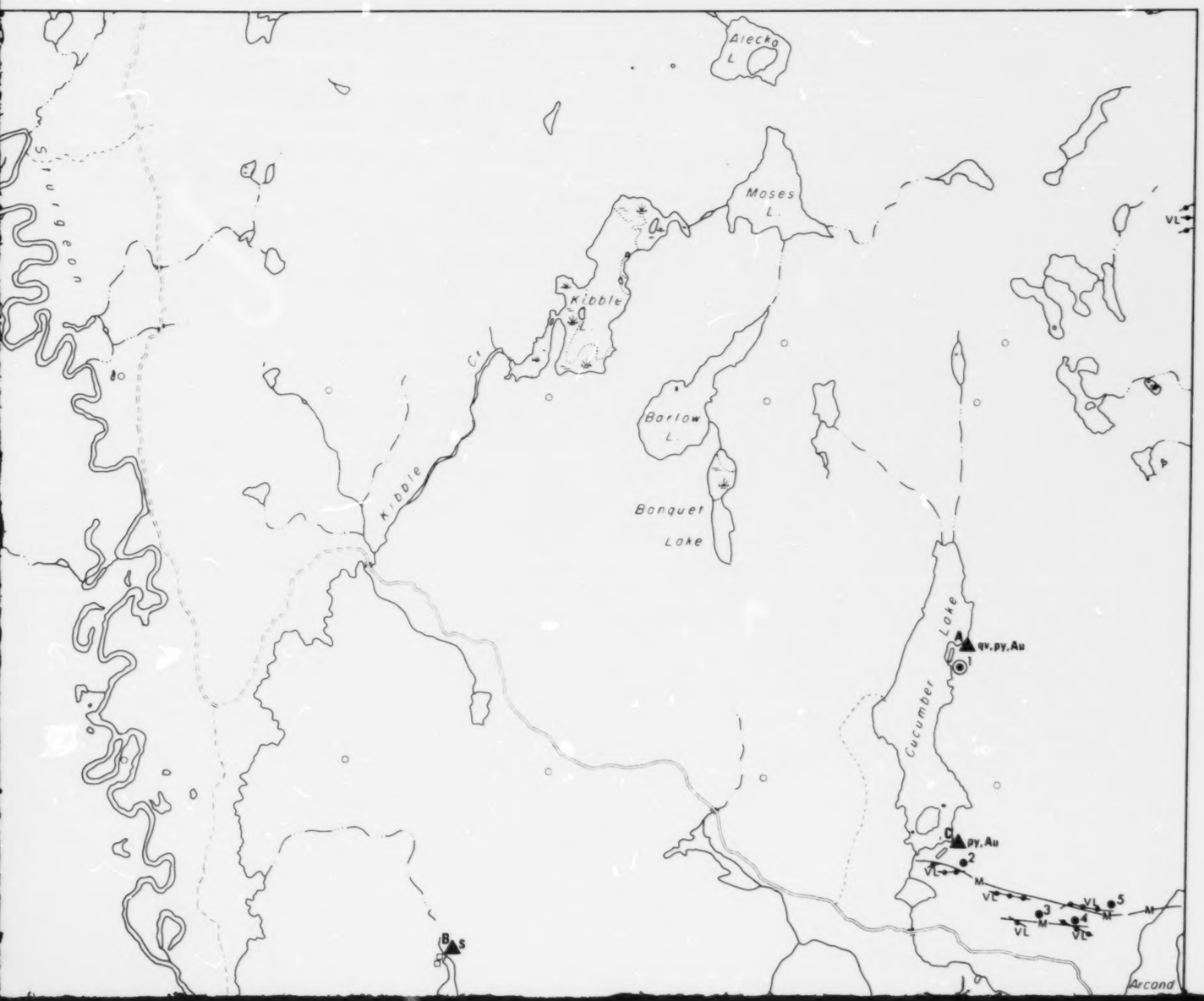
Cucumber Lake

qv, py, Au

py, Au

Arcand L.

VL



Ministry of Northern Development and Mines

Mines and Minerals Division

Ontario

ONTARIO GEOLOGICAL SURVEY

EXPLORATION DATA MAP

GEOLOGICAL DATA INVENTORY FOLIO 415

(Map 2 of 2)

MACBETH TOWNSHIP

DISTRICT OF SUDBURY

Scale 1:31 680

Kilometre 0.5 0 0.5 1 Kilometre

Mile 0.5 0 0.5 1 Mile

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- cp A. — Mineral occurrence at surface, with reference letter
- Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- cp A. — Mineralized float with reference letter

DRILLHOLE

Conductor axis: definite, probable, possible

- ☐ —ARA— Airborne radiometric anomaly
- ■ —M— Ground magnetic anomaly
- ■ —VL— Ground electromagnetic anomaly (VL - Vertical loop; HL - loop; VLF - Very low freq; Turam; JEM - Crone Em - 16)
- ☐ —RA— Ground radiometric anomaly
- ☐ —IP— Induced polarization anomaly
- ☐ —SP— Self potential anomaly
- ☐ —AFMAG— Audio-frequency magnetic anomaly (total intensity)
- ☐ —R— Resistivity anomaly
- ☐ —GR— Gravity anomaly
- ☐ Horizontal

MISCELLANEOUS DATA

- ■ Trenching, pit
- ☐ Adit
- ☐ Open pit
- ☐ Rock quarry
- ☐ Sand and or gravel pit

NOTE: Consult the text that accompanies this map for pertinent lists of data, references, and abbreviations.

GEOLOGICAL AND MINING SYMBOLS

TYPES OF DATA SHOWN ON THIS MAP

MINERAL OCCURRENCES

- ■ cp A. — Mineral occurrence at surface, with reference letter
- □ Au A. 84' — Mineral occurrence with shaft, depth given with reference letter
- □ Ag A. — Mineral occurrence reported but exact location uncertain, with reference letter
- □ cp A. — Mineralized float with reference letter
- □

DRILLHOLE

- ■ ●² — Location of single drillhole, with reference number
- □ ◉² — Location of closely spaced group of drillholes, with reference number
- □ ⊙² — Drillhole, exact location uncertain, with reference number
- □ ◎ — Property with underground drillholes in this general area, with reference number
- □ ○² — Property with drillholes which have not been plotted on map, with reference number
- □ ⊕² — Reverse circulation drillhole; churn drilling, with reference number
- □